

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To: 100011 22/F, Great Eagle Centre, 23 Harbour Road Wanchai, HONG KONG, P.R. China CHINA PATENT AGENT(H.K.) LTD
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PCT

**WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY**

(PCT Rule 43 *bis*.1)

Date of mailing 12.10.2005 (12.10.2005)		
Applicant's or agent's file reference FP05150006	FOR FURTHER ACTION see paragraph 2 below	
International application No. PCT/CN2005/000264	International filing date (day/month/year) 07.Mar 2005(07.03.2005)	Priority date (day/month/year)
International Patent Classification (IPC) or both national classification and IPC IPC ⁷ G06F13/42		
Applicant INTEL CORPORATION et al		

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

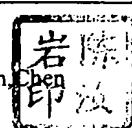
2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Date of completion of this opinion 23. Sep 2005 (23. 09. 2005)	Authorized officer <div style="text-align: center;">  Ruyan Chen </div> Telephone No. (86-10)62085025
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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**International application No.
PCT/CN2005/000264**Box No. I Basis of the opinion**

1. With regard to the language, this opinion has been established on the basis of:
 - ☒ the international application in the language in which it was filed
 - ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of :
 - a. type of material
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material
 - ☐ on paper
 - ☐ in electronic form
 - c. time of filing/furnishing
 - ☐ contained in the international application as filed
 - ☐ filed together with the international application in electronic form
 - ☐ furnished subsequently to this Authority for the purposes of search
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/CN2005/000264

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

Novelty (N)	Claims	1-18	YES
	Claims	none	NO
Inventive step (IS)	Claims	1-18	YES
	Claims	none	NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims	none	NO

2. Citations and explanations

The invention relates to multicast transfer of data from a server device to multiple client devices, it discloses self-adaptive multicast and reliable transfer of digital files from a server device to one or more multiple client devices including an active device, one or more passive client devices and one or more smart client devices.

D1 and D2 are considered to be the closest prior art:

D1: US,A1,2003069930

D2: CN,A,1470018

D1 discloses a server which transmits an announcement comprising a structured information document and aggregate structure including XML document, image, video and audio elements of an available multicast service to the client terminals ;

D2 discloses a method for distributing realtime updates to active application components in an active client position, comprises: establishing a communications connection between a platform managing the active application components and a configuration client; establishing a communications connection between the configuration client and a configuration server; delivering updates to the configuration client over communications connection, where each update corresponds to a particular application component; notifying the platform that updates are available;

It is obvious that not all the technical features in claims 1-18 are disclosed by D1 or D2, and further the technical solutions claimed are not obvious to a person skilled on the basis of D1,D2 or their combination. Thus, claims 1-18 have novelty under PCT Article 33(2), and have inventive step under PCT Article 33(3) ;

Claims 1-18 have industrial applicability under PCT Article 33(4), because the self-adaptive multicast transfer protocol claimed can be made or used in the industry.